```
=> d his ful

     (FILE 'HOME' ENTERED AT 09:35:55 ON 09 JAN 2007)

     FILE 'REGISTRY' ENTERED AT 09:36:12 ON 09 JAN 2007
L1             STRUCTURE UPLOADED
L2           4 SEA SSS FUL L1

     FILE 'HCAPLUS, USPATFULL, USPAT2, TOXCENTER, EMBASE, BIOSIS, MEDLINE'
     ENTERED AT 09:36:51 ON 09 JAN 2007
L3           9 SEA ABB=ON  PLU=ON  L2
L4           8 DUP REM L3 (1 DUPLICATE REMOVED)
                   ANSWERS '1-6' FROM FILE HCAPLUS
                   ANSWERS '7-8' FROM FILE USPATFULL
               D L4 1-8 IBIB HITSTR


     FILE HOME

     FILE REGISTRY
     Property values tagged with IC are from the ZIC/VINITI data file
     provided by InfoChem.

     STRUCTURE FILE UPDATES:     8 JAN 2007  HIGHEST RN 916971-64-7
     DICTIONARY FILE UPDATES:    8 JAN 2007  HIGHEST RN 916971-64-7

     New CAS Information Use Policies, enter HELP USAGETERMS for details.

     TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

       Please note that search-term pricing does apply when
       conducting SmartSELECT searches.

     REGISTRY includes numerically searchable data for experimental and
     predicted properties as well as tags indicating availability of
     experimental property data in the original document.  For information
     on property searching in REGISTRY, refer to:

     http://www.cas.org/ONLINE/UG/regprops.html

     FILE HCAPLUS
     FILE COVERS 1907 - 9 Jan 2007  VOL 146 ISS 3
     FILE LAST UPDATED: 8 Jan 2007  (20070108/ED)

     FILE USPATFULL
     FILE COVERS 1971 TO PATENT PUBLICATION DATE: 9 Jan 2007 (20070109/PD)
     FILE LAST UPDATED: 9 Jan 2007 (20070109/ED)
     CA INDEXING IS CURRENT THROUGH 9 Jan 2007 (20070109/UPCA)
     ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 9 Jan 2007 (20070109/PD)
     REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2006

     FILE USPAT2
     FILE COVERS 2001 TO PUBLICATION DATE: 4 Jan 2007 (20070104/PD)
     FILE LAST UPDATED: 4 Jan 2007 (20070104/ED)
     CA INDEXING IS CURRENT THROUGH 4 Jan 2007 (20070104/UPCA)
     ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 4 Jan 2007 (20070104/PD)
     REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Jun 2006

     FILE TOXCENTER
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FILE COVERS 1907 TO 2 Jan 2007 (20070102/ED)

FILE EMBASE
FILE COVERS 1974 TO 8 Jan 2007 (20070108/ED)

FILE BIOSIS
FILE COVERS 1969 TO DATE.
RECORDS LAST ADDED: 3 January 2007 (20070103/ED)

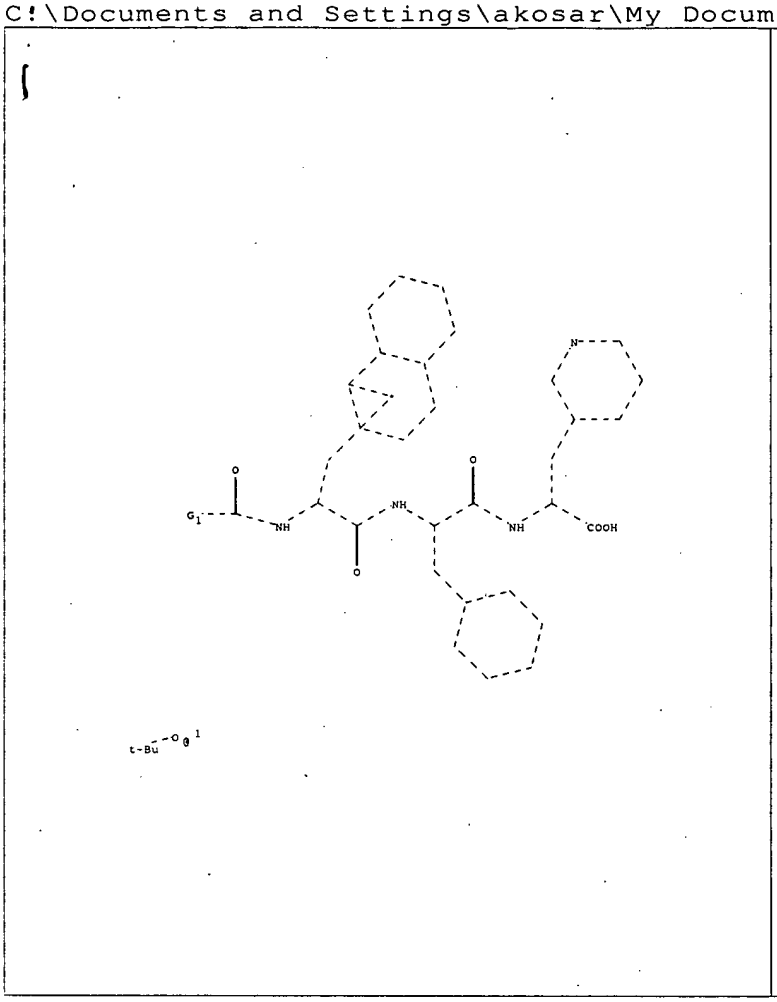
FILE MEDLINE
FILE LAST UPDATED: 6 Jan 2007 (20070106/UP). FILE COVERS 1950 TO DATE.

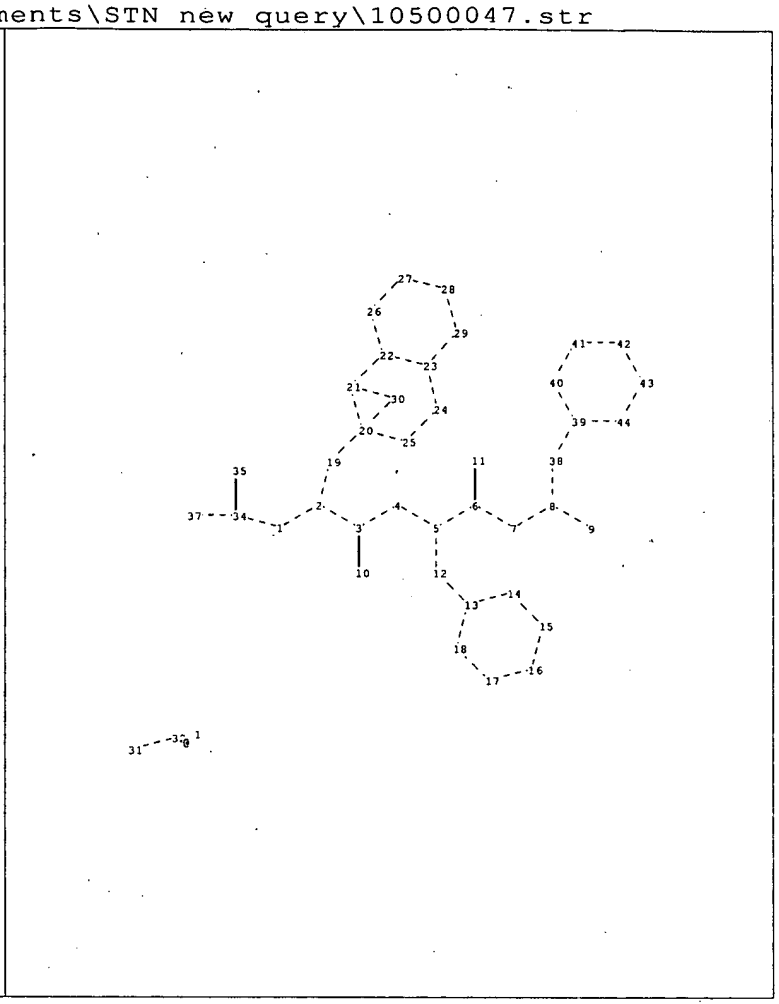
=> d que sta
L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.
L2 4 SEA FILE=REGISTRY SSS FUL L1
L3 9 SEA L2
L4 8 DUP REM L3 (1 DUPLICATE REMOVED)

C!\Documents and Settings\akosar\My Documents\STN new query\10500047.str





chain nodes :
1 2 3 4 5 6 7 8 9 10 11 12 19 31 32 34 35 37 38
ring nodes :
13 14 15 16 17 18 20 21 22 23 24 25 26 27 28 29 39 40 41
42 43 44
chain bonds :
1-2 1-34 2-3 2-19 3-4 3-10 4-5 5-6 5-12 6-7 6-11 7-8 8-9 8-38
12-13 31-32 34-35 34-37 38-39
ring bonds :
13-18 13-14 14-15 15-16 16-17 17-18 20-25 20-21 21-22 22-23 22-26
23-24 23-29 24-25 26-27 27-28 28-29 39-40 39-44 40-41 41-42 42-43
43-44
exact/norm bonds :
1-2 1-34 2-3 2-19 3-4 3-10 4-5 5-6 5-12 6-7 6-11 7-8 8-9 8-38
12-13 13-18 13-14 14-15 15-16 16-17 17-18 20-25 20-21 21-22 22-23
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G1:Me,[*1]

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS
9:CLASS 10:CLASS 11:CLASS 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom
17:Atom 18:Atom 19:CLASS 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom
25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:CLASS 31:CLASS 32:CLASS
34:CLASS 35:CLASS 37:CLASS 38:CLASS 39:Atom 40:Atom 41:Atom 42:Atom
43:Atom 44:Atom

=> d l4 1-8 ibib hitstr

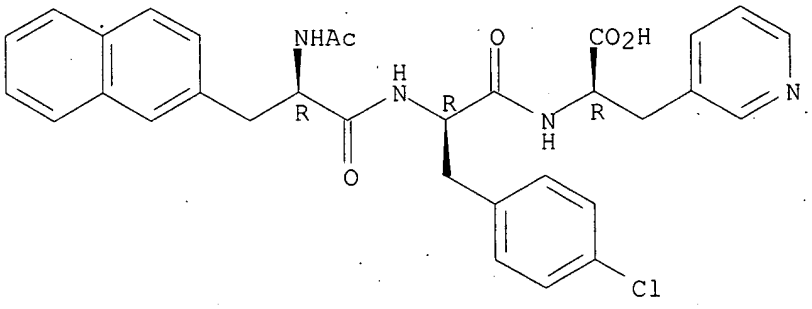
L4 ANSWER 1 OF 8 HCAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 1
ACCESSION NUMBER: 2005:1004339 HCAPLUS
DOCUMENT NUMBER: 143:286694
TITLE: Method of preparing peptide intermediates for LHRH antagonists
INVENTOR(S): Nakazawa, Masakazu
PATENT ASSIGNEE(S): Ajinomoto Co., Inc., Japan
SOURCE: U.S. Pat. Appl. Publ., 13 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005203028	A1	20050915	US 2005-73729	20050308
JP 2005255556	A	20050922	JP 2004-66256	20040309
EP 1584625	A1	20051012	EP 2005-4940	20050307

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU

PRIORITY APPLN. INFO.: JP 2004-66256 A 20040309
OTHER SOURCE(S): CASREACT 143:286694; MARPAT 143:286694
IT 129225-22-5P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of peptide intermediates for LHRH antagonists)
RN 129225-22-5 HCAPLUS
CN D-Alanine, N-acetyl-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridinyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



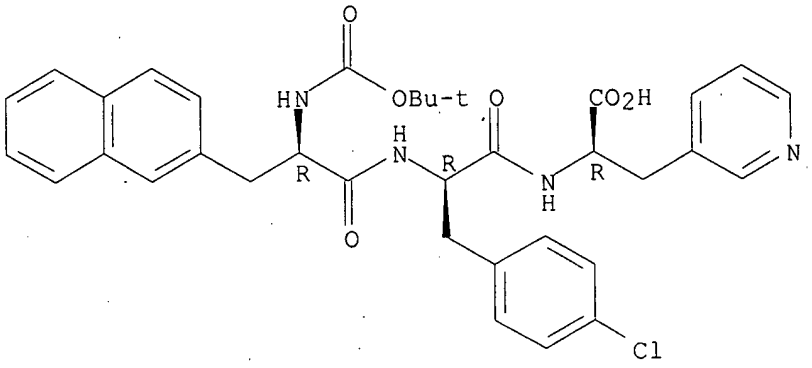
L4 ANSWER 2 OF 8 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:532680 HCAPLUS
DOCUMENT NUMBER: 139:85649
TITLE: Preparation of peptide intermediates for synthesis of LHRH antagonists
INVENTOR(S): Rasmussen, Jon H.; Rasmussen, Palle H.; Wachs, Wolfgang O.; Hansen, Stefan; Fomsgaard, Jens
PATENT ASSIGNEE(S): Polypeptide Laboratories A/S, Den.
SOURCE: PCT Int. Appl., 19 pp.

CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003055902	A1	20030710	WO 2002-IB5583	20021223
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2471723	A1	20030710	CA 2002-2471723	20021223
AU 2002348749	A1	20030715	AU 2002-348749	20021223
EP 1465917	A1	20041013	EP 2002-781699	20021223
EP 1465917	B1	20061018		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
CN 1622954	A	20050601	CN 2002-828381	20021223
JP 2005516962	T	20050609	JP 2003-556432	20021223
US 2005124788	A1	20050609	US 2003-500047	20021223
EP 1630169	A2	20060301	EP 2005-25717	20021223
EP 1630169	A3	20060315		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
AT 342913	T	20061115	AT 2002-781699	20021223
ZA 2004005136	A	20050525	ZA 2004-5136	20040628
NO 2004003047	A	20040830	NO 2004-3047	20040716
PRIORITY APPLN. INFO.:			SE 2001-4463 A	20011229
			EP 2002-781699 A3	20021223
			WO 2002-IB5583 W	20021223

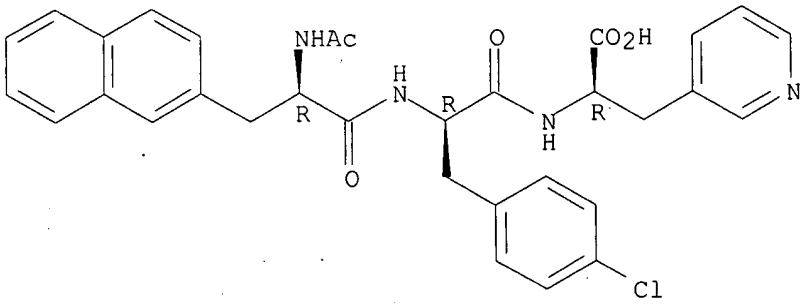
OTHER SOURCE(S): MARPAT 139:85649
IT 556053-25-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of peptide intermediates for synthesis of LHRH antagonists)
RN 556053-25-9 HCAPLUS
CN D-Alanine, N-[(1,1-dimethylethoxy)carbonyl]-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridinyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



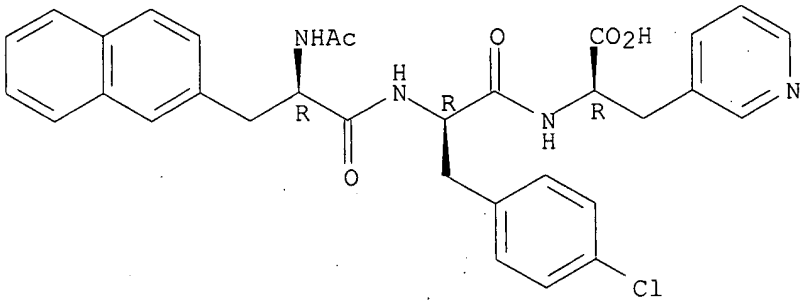
IT 129225-22-5P 556053-26-0P 556053-27-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of peptide intermediates for synthesis of LHRH antagonists)
RN 129225-22-5 HCAPLUS
CN D-Alanine, N-acetyl-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridinyl)-.(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 556053-26-0 HCAPLUS
CN D-Alanine, N-acetyl-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridinyl)-, monosodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.



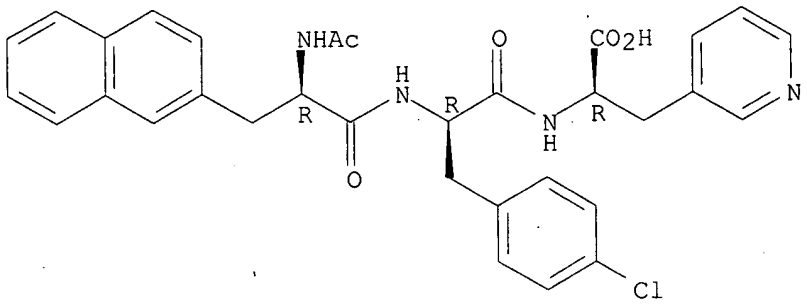
● Na

RN 556053-27-1 HCAPLUS
CN D-Alanine, N-acetyl-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridinyl)-, compd. with N-cyclohexylcyclohexanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

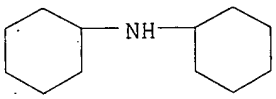
CRN 129225-22-5
CMF C32 H31 Cl N4 O5

Absolute stereochemistry.



CM 2

CRN 101-83-7
CMF C12 H23 N

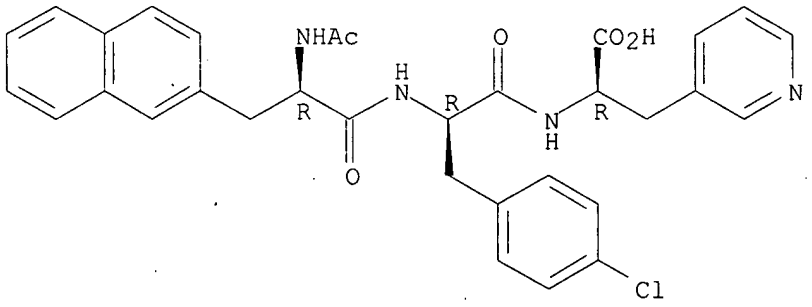


REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 8 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:61700 HCAPLUS
DOCUMENT NUMBER: 134:305544
TITLE: Stability of several LHRH antagonists against proteolytic enzymes and identification of degradation products by mass spectrometry
AUTHOR(S): Braun, K.; Kuhl, P.; Bernd, M.; Kutscher, B.
CORPORATE SOURCE: Institute of Biochemistry, University of Technology Dresden, Germany
SOURCE: Pharmazie (2001), 56(1), 45-49
CODEN: PHARAT; ISSN: 0031-7144
PUBLISHER: Govi-Verlag Pharmazeutischer Verlag
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 129225-22-5
RL: BPR (Biological process); BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative); PROC (Process)

(LHRH antagonists stability against proteolytic enzymes and identification of degradation products by mass spectrometry)
RN 129225-22-5 HCAPLUS
CN D-Alanine, N-acetyl-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridinyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



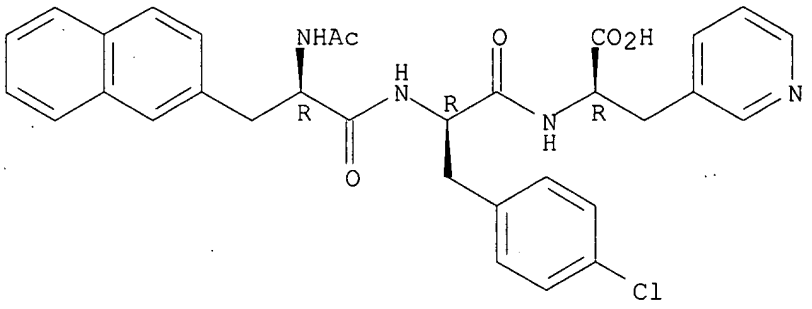
REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 8 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:144132 HCAPLUS
DOCUMENT NUMBER: 132:152142
TITLE: Synthesis of peptides with N-substituted glycines as luteinizing hormone-releasing hormone inhibitory analogs for treatment of hormone-dependent tumors.
INVENTOR(S): Dechantsreiter, Michael; Kessler, Horst; Bernd, Michael; Kutscher, Bernhard; Beckers, Thomas
PATENT ASSIGNEE(S): Asta Medica A.-G., Germany
SOURCE: Ger. Offen., 32 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19941248	A1	20000302	DE 1999-19941248	19990831
PRIORITY APPLN. INFO.:			DE 1998-19839817 A1	19980901

OTHER SOURCE(S): MARPAT 132:152142
IT 129225-22-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(synthesis of N-substituted glycines for use in preparation of peptides as LH-releasing hormone inhibitory analogs for treatment of hormone-dependent tumors)
RN 129225-22-5 HCAPLUS
CN D-Alanine, N-acetyl-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridinyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

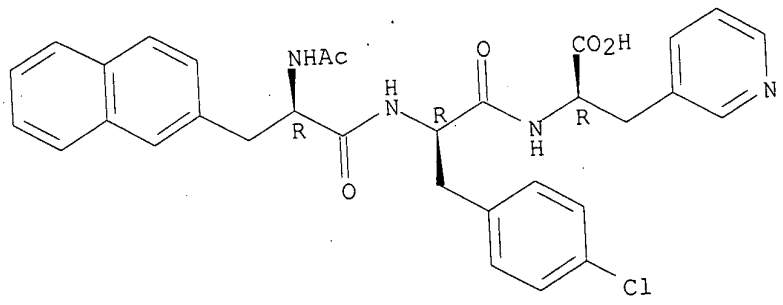


L4 ANSWER 5 OF 8 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:887811 HCAPLUS
DOCUMENT NUMBER: 123:340961
TITLE: Use of D-glucopyranosiduronic acids and derivatives for incorporation into pharmacologically active peptides.
INVENTOR(S): Graf von Roedern, Erich; Kessler, Horst; Kutscher, Bernhard; Bernd, Michael; Klenner, Thomas
PATENT ASSIGNEE(S): ASTA Medica A.-G., Germany
SOURCE: Eur. Pat. Appl., 16 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 652225	A1	19950510	EP 1994-116355	19941017
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
DE 4338015	A1	19950511	DE 1993-4338015	19931108
US 5556836	A	19960917	US 1994-332071	19941101
CA 2135217	A1	19950509	CA 1994-2135217	19941107
JP 07188285	A	19950725	JP 1994-272575	19941107

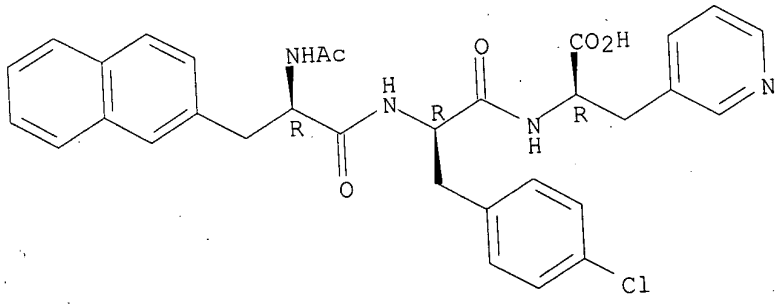
PRIORITY APPLN. INFO.: DE 1993-4338015 A 19931108
OTHER SOURCE(S): CASREACT 123:340961; MARPAT 123:340961
IT 129225-22-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(D-glucopyranosiduronic acids and derivs. for incorporation into pharmacol. active peptides)
RN 129225-22-5 HCAPLUS
CN D-Alanine, N-acetyl-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridinyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 6 OF 8 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:520679 HCAPLUS
DOCUMENT NUMBER: 113:120679
TITLE: High-performance liquid chromatographic (HPLC) and HPLC-mass spectrometric (MS) analysis of the degradation of the luteinizing hormone-releasing hormone (LH-RH) antagonist RS-26306 in aqueous solution
AUTHOR(S): Strickley, Robert G.; Brandl, Michael; Chan, Kelvin W.; Straub, Kenneth; Gu, Leo
CORPORATE SOURCE: Inst. Pharm. Sci., Syntex Res., Palo Alto, CA, 94304, USA
SOURCE: Pharmaceutical Research (1990), 7(5), 530-6
CODEN: PHREEB; ISSN: 0724-8741
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 129225-22-5
RL: FORM (Formation, nonpreparative)
(formation of, as LH-RH antagonist analog)
RN 129225-22-5 HCAPLUS
CN D-Alanine, N-acetyl-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridinyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 7 OF 8 USPATFULL on STN
ACCESSION NUMBER: 2005:145048 USPATFULL
TITLE: Intermediates for lhrh antagonist synthesis, process for their production, and process for lhrh antagonist production
INVENTOR(S): Rasmussen, Jon H., Lyngby, DENMARK

Rasmussen, Palle H., Bagsvaerd, DENMARK
Wachs, Wolfgang O., Wittmar, GERMANY, FEDERAL REPUBLIC OF
Hansen, Stefan, Frederiksberg, DENMARK
Fomsgaard, Jens, Farum, DENMARK

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2005124788	A1	20050609	
	US 2003-500047	A1	20021223	(10)
APPLICATION INFO.:	WO 2002-IB5583		20021223	

	NUMBER	DATE
PRIORITY INFORMATION:	SE 2001-4463	20011229

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP, 1177 AVENUE OF THE AMERICAS (6TH AVENUE), 41 ST FL., NEW YORK, NY, 10036-2714, US

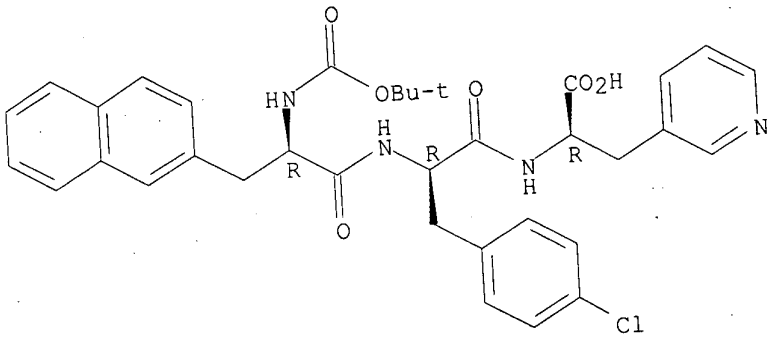
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1-13
LINE COUNT: 359

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 556053-25-9P
(preparation of peptide intermediates for synthesis of LHRH antagonists)

RN 556053-25-9 USPATFULL
CN D-Alanine, N-[(1,1-dimethylethoxy)carbonyl]-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridinyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 129225-22-5P 556053-26-0P 556053-27-1P
(preparation of peptide intermediates for synthesis of LHRH antagonists)

RN 129225-22-5 USPATFULL
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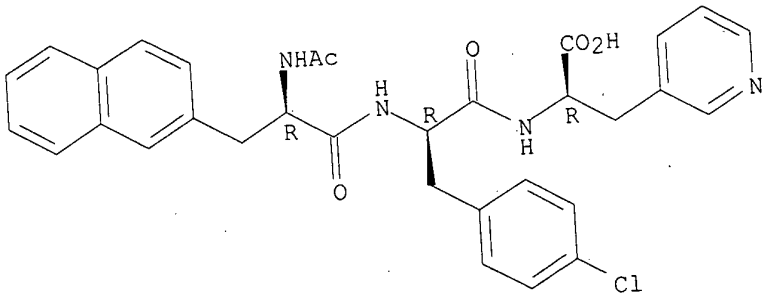
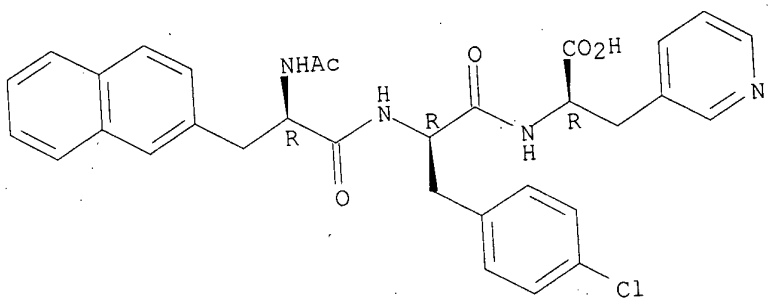
Absolute stereochemistry.



RN 556053-26-0 USPATFULL
CN D-Alanine, N-acetyl-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridinyl)-, monosodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.



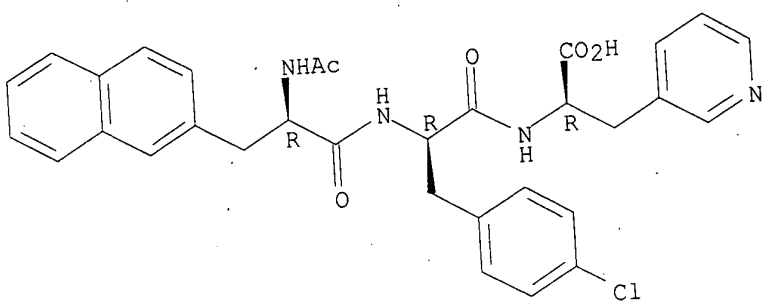
● Na

RN 556053-27-1 USPATFULL
CN D-Alanine, N-acetyl-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridinyl)-, compd. with N-cyclohexylcyclohexanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

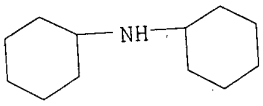
CRN 129225-22-5
CMF C32 H31 Cl N4 O5
CDES 5:D,D,D

Absolute stereochemistry.



CM 2

CRN 101-83-7
CMF C12 H23 N



L4 ANSWER 8 OF 8 USPATFULL on STN

ACCESSION NUMBER: 96:85116 USPATFULL

TITLE: Use of D-glucopyranuronic acids and their derivatives for incorporation in pharmacologically active peptides and their salts

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CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 129225-22-5
(D-glucopyranosiduronic acids and derivs. for incorporation into pharmacol. active peptides)

RN 129225-22-5 USPATFULL

CN D-Alanine, N-acetyl-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-3-(3-pyridinyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.